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Ser 1142N/MOFFETT/MAS  
31 DEC 1987

California Regional Water Quality Control Board  
San Francisco Bay Region  
Attn: Mr. Roger James  
1111 Jackson Street, Room 6040  
Oakland, CA 94607

Dear Mr. James:

On behalf of the Naval Air Station, (NAS), Moffett Field, this Command is submitting a draft Report of Hydrogeologic Investigation for the Wastewater Flux Ponds at NAS Moffett Field (enclosure (1)) and a draft Report of Chemical Characterization, Industrial Wastewater Flux Ponds at NAS Moffett Field (enclosure (2)). The reports were prepared by Dames and Moore under a Navy contract awarded in August 1987.

Based on the results presented in these reports, the wastewater flux ponds at NAS Moffett Field do not receive or contain hazardous waste according to California Department of Health Services regulatory criteria (California Administrative Code, Title 22, Division 4, Chapter 30, Article 11). Therefore, we believe that the ponds are not subject to the Toxic Pits Cleanup Act (TPCA) and that the requirement for a Hydrogeological Assessment Report (HAR) for the ponds are not applicable.

The draft Hydrogeological Investigation Report follows the general format suggested by the Board for the HAR. As such, the report provides information on the following subjects:

1. Construction, operations and characteristics of the waste discharged to the industrial wastewater flux ponds;
2. Chemical characteristics of surface water and sludge contained within these ponds;
3. Physical and chemical properties of the vadose zone below the industrial wastewater flux ponds;
4. Surface and groundwater hydrology adjacent to the industrial wastewater flux ponds at and within a mile radius of the air station;
5. Local climatology in the Sunnyvale area; and
6. Regional and site geologic environment.

The draft Chemical Characterization Report presents the results of chemical analyses performed on pond influent waters, pond waters, pond sludges, and on soils beneath the ponds. Chemical analyses were performed to evaluate concentrations of CAM metals plus arsenic, hexavalent chromium, mercury, and selenium, semi-volatile priority pollutants, volatile organic priority pollutants, and acute aquatic toxicity.

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A Report of Waste Discharge (RWD) and a Closure Plan for the industrial wastewater flux ponds are currently being prepared under the same Navy contract with Dames and Moore in accordance with the applicable provisions of Subchapter 15, Chapter 3, Title 23, of the California Administrative Code for Class II surface impoundments. The RWD and Closure Plan will be submitted to the Board by 1 March 1988.

Should you have any questions regarding this matter, the point of contact is Commander, Western Division, Naval Facilities Engineering Command (Attn: Mr. Wen Kao, 1142H, 415/877-7494).

Original signed by:

*Carl Schwab Sr.*

RAYMOND E. RAMOS

Head, West Central Environmental Section

Encl:

- (1) Draft Report of Hydrogeologic Investigation for the Wastewater Flux Ponds at NAS Moffett Field, California
- (2) Draft Report of Chemical Characterization, Industrial Wastewater Flux Ponds at NAS Moffett Field

Copy to: (w/o encl)

California Regional Water Quality Control Board (Attn: Tom Perkins)

Department of Health Services (Attn: Chain Kao) (w/encl)

EPA, Region IX (Attn: Lewis Motani, T-4-3) (w/encl)

State Water Resources Control Board (Attn: Gil Torres)

Santa Clara Valley Water District (Attn: Tom Iwamura)

Santa Clara County Health Department (Attn: Charles Nicholson)

City of Mountain View (Attn: Russ Frazer)

City of Sunnyvale (Attn: Dan Firth)

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Blind copy to:

NAS Moffett Field (Attn: 189A)

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Writer: Wen Kao, 1142H, x7494

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File: MOFFETT/NAS

## ENCLOSURE 1

### DRAFT REPORT OF HYDROGEOLOGIC INVESTIGATION FOR THE WASTEWATER FLUX PONDS

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AVAILABLE.

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QUESTIONS MAY BE DIRECTED TO:

**DIANE C. SILVA**  
**RECORDS MANAGEMENT SPECIALIST**  
**NAVAL FACILITIES ENGINEERING COMMAND**  
**SOUTHWEST**  
**1220 PACIFIC HIGHWAY**  
**SAN DIEGO, CA 92132**

**TELEPHONE: (619) 532-3676**

## ENCLOSURE 2

### DRAFT REPORT OF CHEMICAL CHARACTERIZATION INDUSTRIAL WASTEWATER FLUX PONDS

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